

KW

PCT09

RAW SEQUENCE LISTING

DATE: 08/30/2001

PATENT APPLICATION: US/09/762,538

TIME: 09:55:42

Input Set : A:\W099914.txt

Output Set: N:\CRF3\08302001\I762538.raw

ENTERED

3 <110> APPLICANT: Riccardo Perfetti
 4 Antonino Passaniti
 5 Nigel Greig
 6 Harold Holloway
 8 <120> TITLE OF INVENTION: INSULIN PRODUCING CELLS DIFFERENTIATED
 9 FROM NON-INSULIN PRODUCING CELLS BY GLP-1 OR EXENDIN-4 AND
 10 USES THEREOF
 12 <130> FILE REFERENCE: 14014.0346P
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/762,538
 C--> 14 <141> CURRENT FILING DATE: 2001-02-08
 14 <150> PRIOR APPLICATION NUMBER: 60/095,917
 15 <151> PRIOR FILING DATE: 1998-08-10
 17 <160> NUMBER OF SEQ ID NOS: 25
 19 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 30
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Human
 26 <400> SEQUENCE: 1
 27 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 28 1 5 10 15
 29 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
 30 20 25 30
 32 <210> SEQ ID NO: 2
 33 <211> LENGTH: 31
 34 <212> TYPE: PRT
 35 <213> ORGANISM: Human
 37 <400> SEQUENCE: 2
 38 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 39 1 5 10 15
 40 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly
 41- 20 25 30
 43 <210> SEQ ID NO: 3
 44 <211> LENGTH: 29
 45 <212> TYPE: PRT
 46 <213> ORGANISM: Human
 48 <400> SEQUENCE: 3
 49 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 50 1 5 10 15
 51 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly
 52 20 25
 54 <210> SEQ ID NO: 4
 55 <211> LENGTH: 28
 56 <212> TYPE: PRT
 57 <213> ORGANISM: Human
 59 <400> SEQUENCE: 4
 60 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly

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61      1              5              10              15
62  Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys
63              20              25
65 <210> SEQ ID NO: 5
66 <211> LENGTH: 27
67 <212> TYPE: PRT
68 <213> ORGANISM: Human
70 <400> SEQUENCE: 5
71  His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
72      1              5              10              15
73  Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val
74              20              25
76 <210> SEQ ID NO: 6
77 <211> LENGTH: 26
78 <212> TYPE: PRT
79 <213> ORGANISM: Human
81 <400> SEQUENCE: 6
82  His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
83      1              5              10              15
84  Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu
85              20              25
87 <210> SEQ ID NO: 7
88 <211> LENGTH: 25
89 <212> TYPE: PRT
90 <213> ORGANISM: Human
92 <400> SEQUENCE: 7
93  His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
94      1              5              10              15
95  Gln Ala Ala Lys Glu Phe Ile Ala Trp
96              20              25
98 <210> SEQ ID NO: 8
99 <211> LENGTH: 24
100 <212> TYPE: PRT
101 <213> ORGANISM: Human
103 <400> SEQUENCE: 8
104  His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
105      1              5              10              15
106  Gln Ala Ala Lys Glu Phe Ile Ala
107              20
109 <210> SEQ ID NO: 9
110 <211> LENGTH: 39
111 <212> TYPE: PRT
112 <213> ORGANISM: Gila monster
114 <400> SEQUENCE: 9
115  His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
116      1              5              10              15
117  Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
118              20              25              30
119  Ser Gly Ala Pro Pro Pro Ser

```

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120          35
122 <210> SEQ ID NO: 10
123 <211> LENGTH: 38
124 <212> TYPE: PRT
125 <213> ORGANISM: Gila monster
127 <400> SEQUENCE: 10
128 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
129 1          5          10          15
130 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
131          20          25          30
132 Ser Gly Ala Pro Pro Pro
133          35
135 <210> SEQ ID NO: 11
136 <211> LENGTH: 37
137 <212> TYPE: PRT
138 <213> ORGANISM: Gila monster
140 <400> SEQUENCE: 11
141 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
142 1          5          10          15
143 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
144          20          25          30
145 Ser Gly Ala Pro Pro
146          35
148 <210> SEQ ID NO: 12
149 <211> LENGTH: 36
150 <212> TYPE: PRT
151 <213> ORGANISM: Gila monster
153 <400> SEQUENCE: 12
154 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
155 1          5          10          15
156 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
157          20          25          30
158 Ser Gly Ala Pro
159          35
161 <210> SEQ ID NO: 13
162 <211> LENGTH: 35
163 <212> TYPE: PRT
164 <213> ORGANISM: Gila monster
166 <400> SEQUENCE: 13
167 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
168 1          5          10          15
169 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
170          20          25          30
171 Ser Gly Ala
172          35
174 <210> SEQ ID NO: 14
175 <211> LENGTH: 34
176 <212> TYPE: PRT
177 <213> ORGANISM: Gila monster

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179 <400> SEQUENCE: 14
180 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
181 1 5 10 15
182 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
183 20 25 30
184 Ser Gly
187 <210> SEQ ID NO: 15
188 <211> LENGTH: 33
189 <212> TYPE: PRT
190 <213> ORGANISM: Gila monster
192 <400> SEQUENCE: 15
193 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
194 1 5 10 15
195 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
196 20 25 30
197 Ser
200 <210> SEQ ID NO: 16
201 <211> LENGTH: 32
202 <212> TYPE: PRT
203 <213> ORGANISM: Gila monster
205 <400> SEQUENCE: 16
206 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
207 1 5 10 15
208 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
209 20 25 30
211 <210> SEQ ID NO: 17
212 <211> LENGTH: 31
213 <212> TYPE: PRT
214 <213> ORGANISM: Gila monster
216 <400> SEQUENCE: 17
217 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
218 1 5 10 15
219 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro
220 20 25 30
222 <210> SEQ ID NO: 18
223 <211> LENGTH: 30
224 <212> TYPE: PRT
225 <213> ORGANISM: Gila monster
227 <400> SEQUENCE: 18
228 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
229 1 5 10 15
230 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly
231 20 25 30
233 <210> SEQ ID NO: 19
234 <211> LENGTH: 38
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Oligonucleotide primer

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Input Set : A:\W099914.txt

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```

241 <400> SEQUENCE: 19
242  gatggatcct gcagaagctt tttttttttt tttttttt      38
244 <210> SEQ ID NO: 20
245 <211> LENGTH: 19
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Oligonucleotide primer
253 <400> SEQUENCE: 20
254  acaggtctct tctgcaacc      19
256 <210> SEQ ID NO: 21
257 <211> LENGTH: 20
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Oligonucleotide primer
264 <400> SEQUENCE: 21
265  aagatgactt catgcgtgcc      20
267 <210> SEQ ID NO: 22
268 <211> LENGTH: 28
269 <212> TYPE: DNA
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Oligonucleotide primer
275 <400> SEQUENCE: 22
276  tgcccaggct tttgtcaaac agcacctt      28
278 <210> SEQ ID NO: 23
279 <211> LENGTH: 20
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Oligonucleotide primer
286 <400> SEQUENCE: 23
287  ctccagtgcc aaggtctgaa      20
289 <210> SEQ ID NO: 24
290 <211> LENGTH: 27
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Oligonucleotide primer
297 <400> SEQUENCE: 24
298  gtggctggat tgtttgtaat gctgctg      27
300 <210> SEQ ID NO: 25
301 <211> LENGTH: 24
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Oligonucleotide primer
308 <400> SEQUENCE: 25

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/762,538

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TIME: 09:55:43

Input Set : A:\W099914.txt

Output Set: N:\CRF3\08302001\I762538.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date